

THAT WHICH IS CLAIMED IS:

1. An improved temporary guardrail system for removable attachment to a building under construction including a plurality of upright stanchions, each respective stanchion having an anchor bracket on a bottom end thereof, said stanchions being connected by a plurality of vertically spaced upper and lower side rails and by a toe board, the improvements comprising:
- means for rotatably connecting said rails to said stanchions enabling each respective side rail to be rotated 360° about a longitudinal axis of each respective stanchion in a horizontal plane and each respective side rail to be pivoted at varying angles in a vertical plane, said connecting means including a first threaded stud outwardly projecting from a top end of said stanchions in substantially axial alignment therewith enabling each of said upper side rails to be rotatably mounted thereon at various angles, said upper side rails being pivoted in a vertical plane at varying angles by use of angulation means, said angulation means comprising a generally L-shaped swivel bracket disposed on said first threaded stud at said top end of said stanchion, said L-shaped bracket including a long leg portion and a short leg portion being fixedly attached in perpendicular relation thereto, said bracket further including swiveling means being adapted for pivoting movement in a plane parallel to the plane defining said long leg portion, said swiveling means including a second threaded stud disposed in perpendicular relation to said axis of said stanchion enabling said upper side rails to be mounted thereon and pivoted in a vertical plane at varying angles for installation of said temporary guardrail system on inclines such as stairs;
- means for telescopically adjusting the length

of each respective side rail and said toe board enabling  
35 said temporary guardrail system to be adapted to  
dimensional features of different buildings under  
construction; and

means for selectively extending the vertical  
height of said guardrail system to provide an increased  
40 measure of safety for employees performing specialized  
tasks requiring ladders and stilts adjacent thereto.

2. The temporary guardrail system of claim 1  
wherein said swiveling means includes a pair of said  
studs arranged in parallel, spaced-apart relation  
thereon, said studs being disposed in perpendicular  
5 relation to said axis of said stanchion enabling a pair  
of adjacent upper side rails to be mounted thereon and  
pivoted in a vertical plane at varying angles for  
installation of said temporary guardrail system on  
inclines such as stairs.

3. The temporary guardrail system of claim 1  
wherein said connecting means for said lower side rails  
comprises at least one rail support collar cooperating  
with an angulation means attached to each of said side  
5 rails, said at least one rail support collar being  
disposed about said stanchion and having at least one  
threaded stud outwardly extending therefrom and being  
perpendicular to a center axis of said collar enabling  
said angulation means of said side rails to be fixedly  
10 mounted on said at least one threaded stud.

4. The temporary guardrail system of claim 3  
wherein said angulation means of said side rails  
comprises a mid-rail, swivel bracket disposed on said on  
at least one threaded stud extending from said rail  
5 support collar, said mid-rail, swivel bracket including  
an elongated body member and further including swiveling

means being adapted for pivoting movement in a plane parallel to the plane defining said elongated body member, said swiveling means of said mid-rail, swivel  
10 bracket including a threaded stud mounted in perpendicular relation to said axis of said stanchion enabling said lower side rails to be mounted thereon and pivoted in a vertical plane at varying angles for installation of said temporary guardrail system on  
15 inclines such as flights of stairs.

5. The temporary guardrail system of claim 4 wherein said swiveling means of said mid-rail, swivel bracket includes a pair of threaded studs arranged in generally parallel, spaced-apart relation enabling a pair  
5 of said lower side rails to be mounted thereon and pivoted in a vertical plane at varying angles for installation of said temporary guardrail system on inclines such as flights of stairs.

6. The temporary guard rail system of claim 3 herein a plurality of rail support collars are disposed about said stanchions at a pre-determined vertical location in an operative relationship between at least  
5 two rail stops.

7. The temporary guardrail system of claim 1 wherein said extending means includes a plurality of extension posts being adapted for sliding engagement about the outside diameter of said stanchions at the  
5 upper ends thereof, said extension posts including connecting means so as to permit attachment of a plurality of vertically spaced side rails thereon enabling the vertical height of said temporary guard rail system to be selectively extended to provide increased  
10 safety to employees performing specialized tasks adjacent thereto.

8. The temporary guard rail system of claim 1 wherein each respective stanchion is fixedly attached to a ground anchoring means for installation directly onto a ground surface adjacent an excavation site.

9. The temporary guard rail system of claim 8 wherein said ground anchoring means is fabricated from a heavy gauge, corrugated sheet metal material that is adapted to receive a plurality of anchor pins therethrough for securing said ground anchoring means directly to the surface of the ground.

10. The temporary guard rail system of claim 1 wherein each respective stanchion is adapted for installation on a roof anchoring means fabricated from corrugated sheet metal.

11. The temporary guard rail system of claim 10 wherein said roof anchoring means is matched to the configuration of said corrugated sheet metal used in the construction of a roof.

add a1  
add b2 7